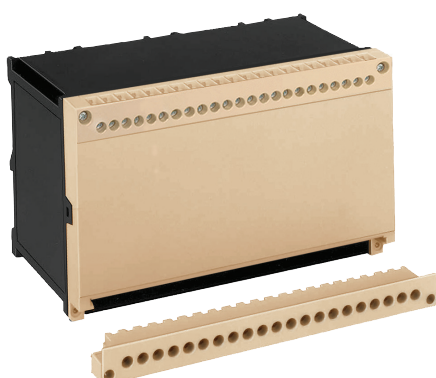
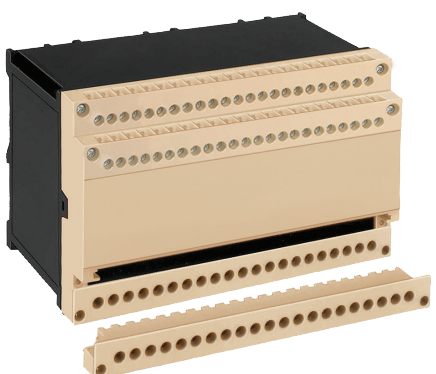


# Insulated Enclosure KO 4722

with flat terminals  
for plug-in technology

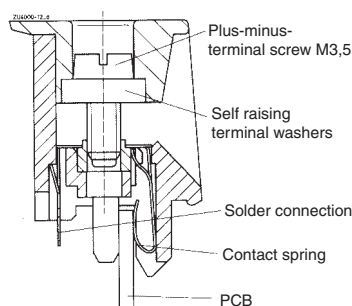


KO 4722.118.42.01.001



KO 4722.138.84.02.001

- Width 200 mm
- Optionally max. 42 or 84 terminal washers with high torque, captive plus-minus-terminal screws
- With removable, mixed up terminal strip for plug-in connection with PCB
- Optionally with Blanking strips ET 4720-37.1
- Spacer for PCB coding
- Mounting of SMD components possible on soldering side
- PCBs are easy to install because of guiding ribs



Flat terminal for plug-in technology

## Technical Data

Order references:

Front colour	beige	light grey RAL 7035	blue RAL 5015	Enclosure variant with
KO 4722.118.42.01	.001	.011	.012	front plate
KO 4722.118.84.02	.001	.005	.006	front plate

### Outer dimensions:

KO 4722.118.42.01.001:	200 x 123.2 x 118.2 mm
KO 4722.118.84.02.001:	200 x 123.2 x 137.5 mm

Enclosure material: PC-GF, base black, front colour see table

Temperature stability:	
complying with UL 746 B:	125 °C
complying with Vicat	
ISO 306 Meth. B:	148 °C
compl.with ISO 75-2 Meth. A:	138 °C
Meth. B:	144 °C

Max. permitted power dissipation: 55 W for stand-alone enclosure at normal climate 23/50-1 ISO 554

Specific thermal resistance:  $R_{th} = 2 \text{ K / W}$  for stand-alone enclosure

Flame retardancy:  
complying with UL 94: V-0; Plate clear = V-2  
complying with IEC 60 707: BH 2-30

### Number of terminals:

KO 4722.118.42:	42; < 42 on request
KO 4722.118.84:	84; < 84 on request

Terminal material: CuSn6 tin-plated

Max. cross section for connection: 2 x 1.5 mm<sup>2</sup> stranded ferruled DIN 46 228-1/-2/-3/-4  
2 x 2.5 mm<sup>2</sup> solid

Insulation of wires length: 10 mm

Max. contact resistance to printed circuit board: 10 mΩ }  $\cong 1 \text{ W / terminal power dissipation}$   
Max. current carrying capacity: 10 A

Wire fastening: captive plus-minus terminal screws M3.5 with self raising terminal washers, terminal strip can be removable separately

Torque: max. 0.8 Nm

Inner connection: Direct connection on PCB, solder connection possible

Enclosure fastener:  
1) Snap-on fastener on top hat rail EN 50 022  
2) Screw fixing M4, grid 130 x 130 mm

Creepage current resistance: CTI 175  $\cong$  insulated material III a IEC 60 664-1

Air gap and creepage distance:  $\geq 4 \text{ mm}$  IEC 60 664-1

Type of protection: Enclosure IP 40 IEC 60 529  
Terminals IP 20 IEC 60 529  
contact protection complies with VGB 4

Print area:  
KO 4722.118.42: 83 x 200 mm (on front plate)  
KO 4722.118.84: 43 x 200 mm (on front plate)

Printed circuit board: see printed circuit design

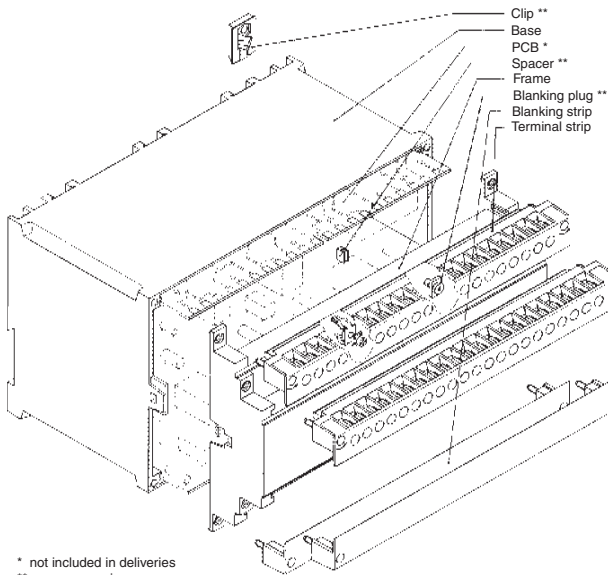
Printed circuit board holder: Guide ribs on the small side and on the enclosure bottom for 5 PCBs

Net weight:  
with 42 terminals: approx. 540 g  
with 84 terminals: approx. 710 g

### Accessories:

ET 4072-1-2:	Clip for screw fixing
ET 4720-0-60:	Spacer for PCB coding
ET 4720-37.1:	Blanking strip beige
ET 4720-37.2:	Blanking strip grey
ET 4720-37.3:	Blanking strip blue

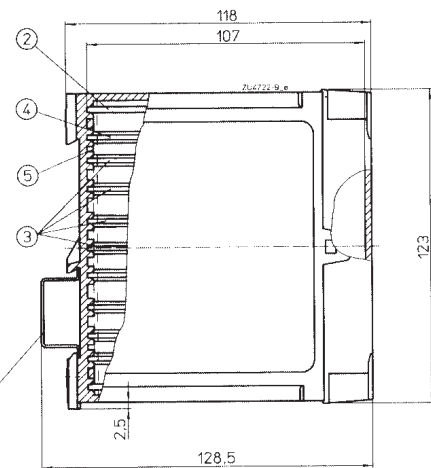
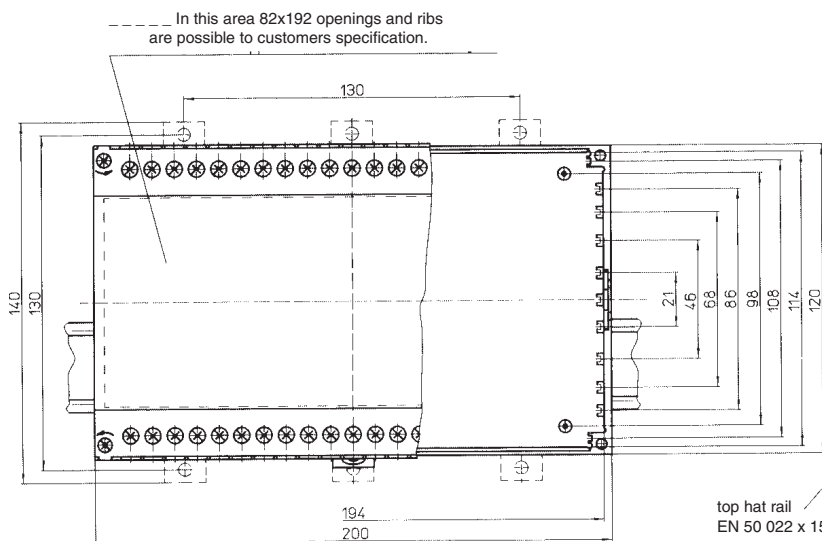
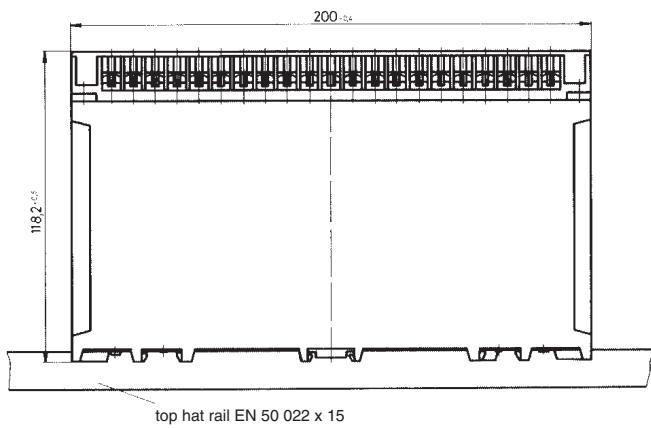
## Exploded view



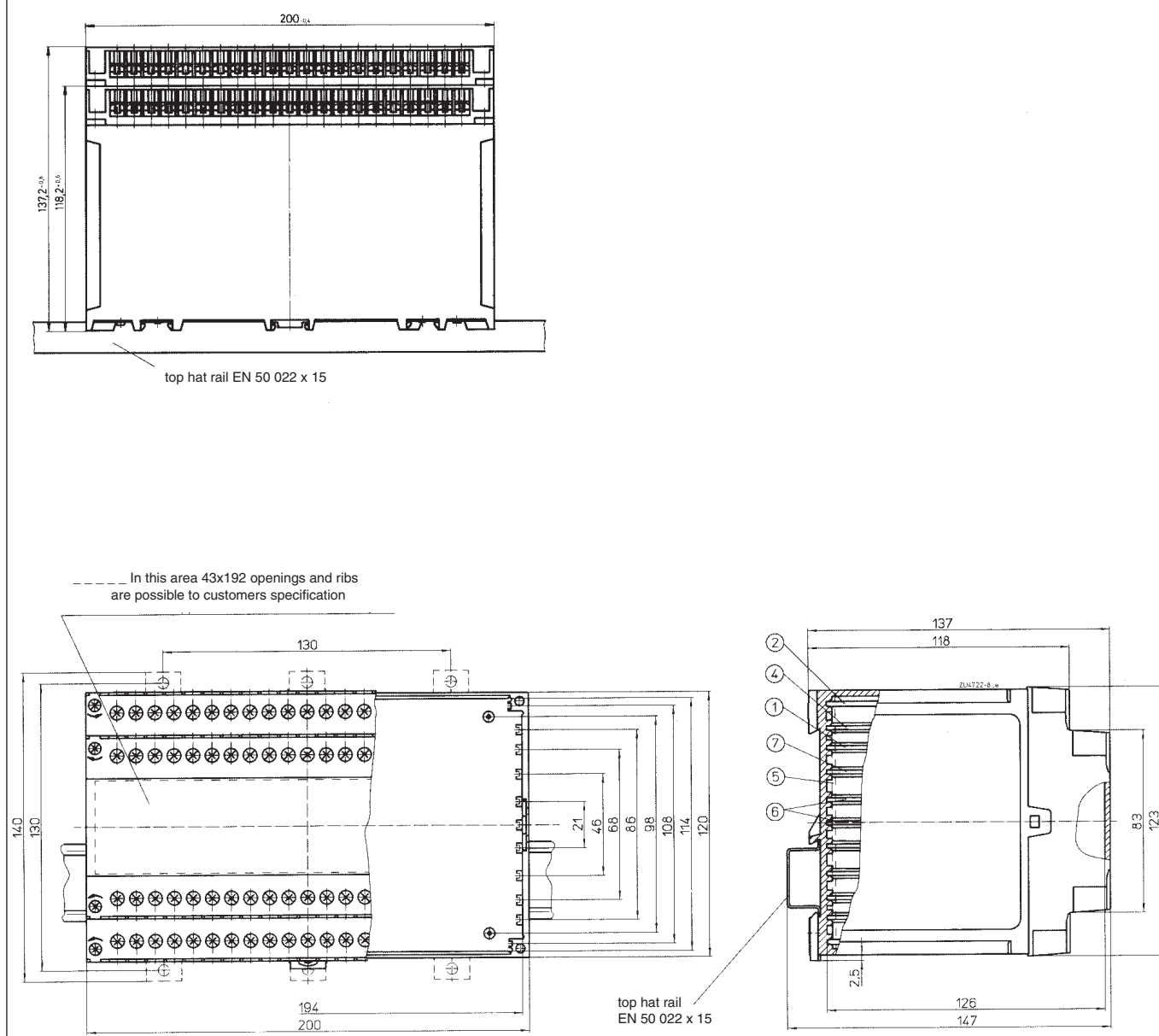
\* not included in deliveries  
\*\* see accessories

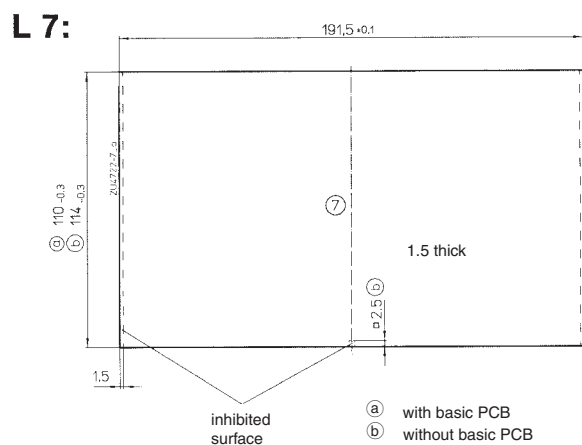
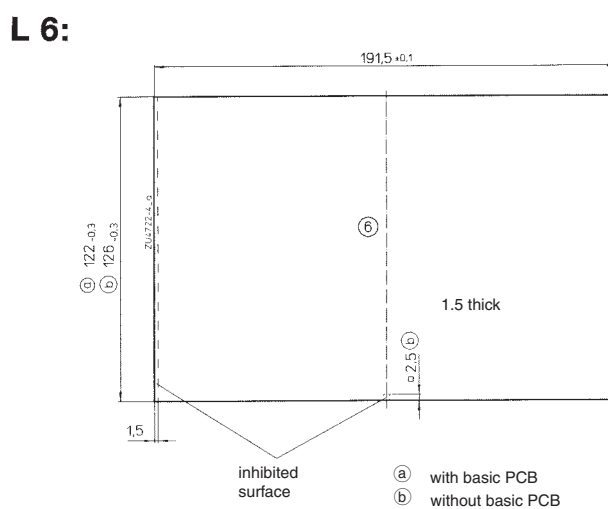
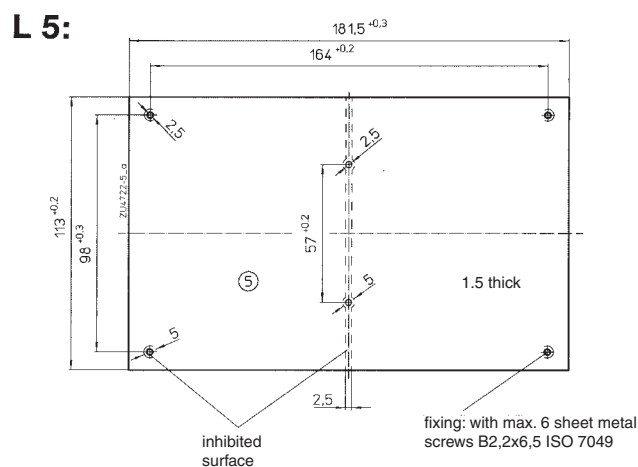
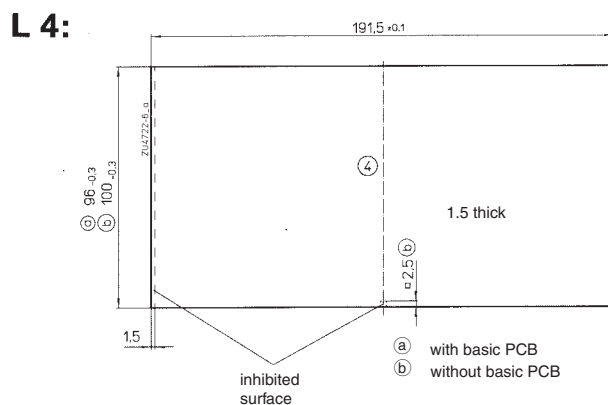
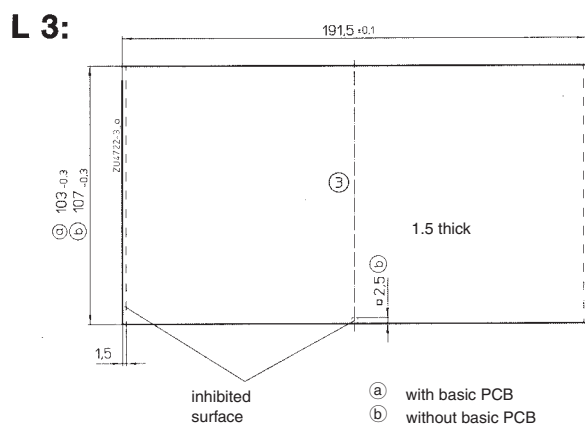
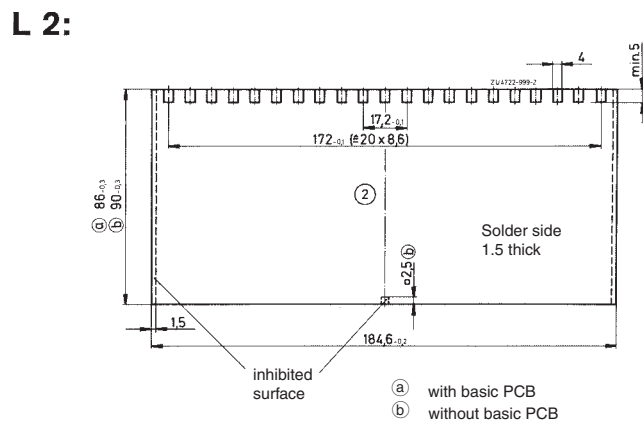
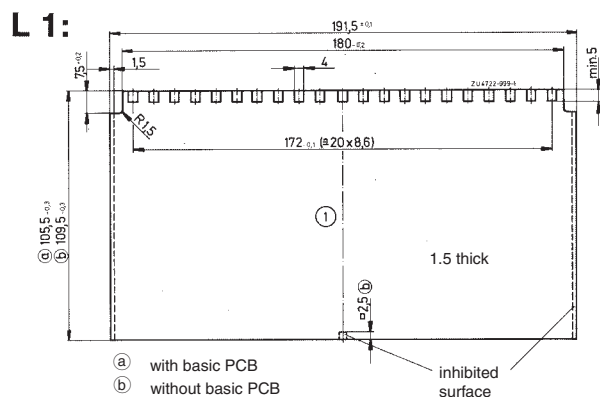
KO 4722 with 84 terminals

## Dimensions for KO 4722.118



## Dimensions for KO 4722.138

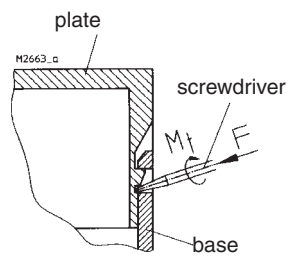
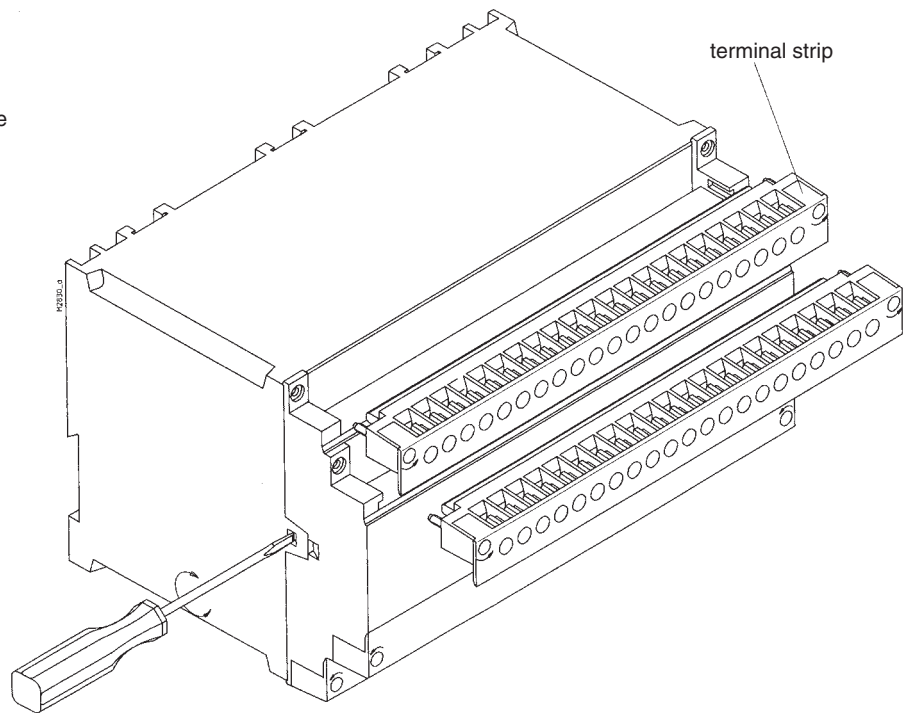




Tolerance complying with IEC 60 249-2-4

### Enclosure for plug-in technology

To remove the front plate first unscrew the terminal strips fixing screws and lift off the terminal strips.



To remove front-frame insert an 0.8 x 4.0 or 0.8 x 4.5 screwdriver into the side recess, on the hood, and turn lightly to the left or right until the snap-in lug disengages. Repeat in the opposite side.

